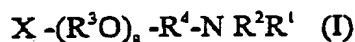


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Claims

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1. An agrochemical composition comprising an agrochemical active ingredient and an adjuvant of formula (I) and salts thereof



wherein R^1 and R^2 are independently hydrogen or a lower alkyl group containing from 1 to 4 carbon atoms,

10 R^3O is an ethoxy, propoxy or butoxy group or a random or block mixture thereof, R^4 is a linear or branched chain alkylene bridging group containing from 1 to 4 carbon atoms, X is

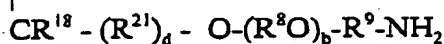
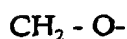
(IA) -OH or a lower alkoxy group containing from 1 to 4 carbon atoms or X is

15 (IB) a group R^5R^6N -

wherein R^5 and R^6 are independently hydrogen or a lower alkyl group containing from 1 to 4 carbon atoms or X is

(IC) a group

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wherein R^8O and $R^{12}O$ are independently ethoxy, or propoxy or a random or block mixture thereof, R^9 and R^{13} are independently a linear or branched chain alkylene bridging group containing 2 or 3 carbon atoms, R^{21} is a linear or branched chain alkylene bridging group containing from 1 to 3 carbon atoms, R^{18} is hydrogen or lower alkyl containing from 1 to 4 carbon atoms, d is 0 or 1,

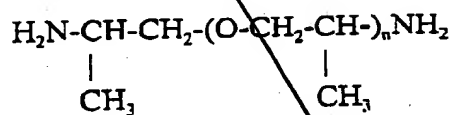
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and wherein a, is from 1 to 400 or if X is of formula IC, the sum of a, b and c is from 3 to 400,

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provided that when X is of formula (1B), the adjuvant of formula (1) does not have the structure



wherein n is 2 or 3.

2. A composition according to claim 1 wherein a is from 1 to 50 or if X is of formula IC, the sum of a, b and c is from 3 to 90.

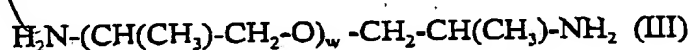
3. A composition according to claim 1 wherein the adjuvant of formula (I) is an alkoxyated monoamine, having the formula II



wherein the average degree of ethoxylation (x) is from 0 to about 45 and the average degree of propoxylation (y) is from 0 to about 90 provided that x and y are not both 0 at the same time.

A composition according to claim 3 wherein the value of x is from 0 to about 20 and of y is from about 2 to about 30.

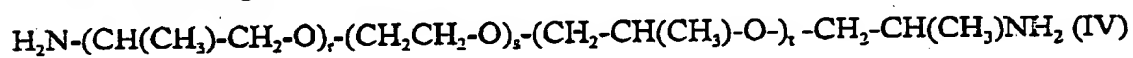
5. A composition according to claim 1 wherein the compound of formula (I) is a diamine having a formula (II)



wherein w is an average of from about 1 to about 80.

6. A composition according to claim 5 wherein w is an average of from about 2 to about 35

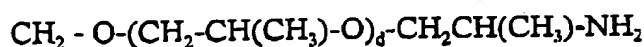
7. A composition according to claim 1 wherein the compound of formula (I) is a diamine having a formula (IV)



wherein the sum of r + t is an average of from 1 to 20 propoxy groups and s is an average of from 2 to 50 ethoxy units.

8. A composition according to claim 7 wherein the sum of r + t is from about 2 to about 15 and s is from about 3 to about 20.

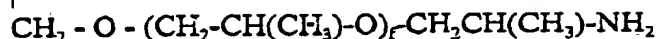
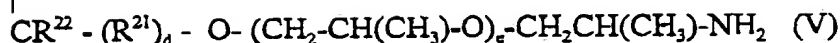
9. A composition according to claim 1 wherein the compound of formula (I) is a propoxylated triamine having the formula (V)



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5 wherein the sum of $d + e + f$ is an average of from about 5 to 90, R^{22} is hydrogen or lower alkyl containing 1 to 4 carbon atoms, R^{21} is a linear or branched chain alkylene bridging group containing 1 to 3 carbon atoms and d is 0 or 1.

10. A composition according to any of the preceding claims wherein the proportion of adjuvant of formula (I) to the agrochemical is from 1:20 to 3:1 by weight.
11. A composition according to any of the preceding claims wherein the adjuvant of formula (I) in claim 1 is used in combination with an alkylpolyglycoside surfactant.
12. A composition according to claim 11 wherein the ratio of the adjuvant of formula (I) to the alkylpolyglycoside surfactant is from 1 : 40 to 4 : 1.
13. A composition according to any of the preceding claims wherein the agrochemical active ingredient is a salt of glyphosate, a salt of fomesafen or a paraquat salt.
14. A composition according to any of claims 1 to 12 wherein the adjuvant of formula (I) in claim 1 is used in the form of a salt with glyphosate or a salt with an acidic surfactant.
15. A process of severely damaging or killing unwanted plants which process comprises applying to the plants or to the growth medium of the plants, a herbicidally effective amount of a composition as claimed in any of claims 1 to 14.
16. A composition according to any of claims 1 to 14 which is an aqueous composition containing from 0.01% to 90% by weight of the active ingredient.

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